

F I G. 1

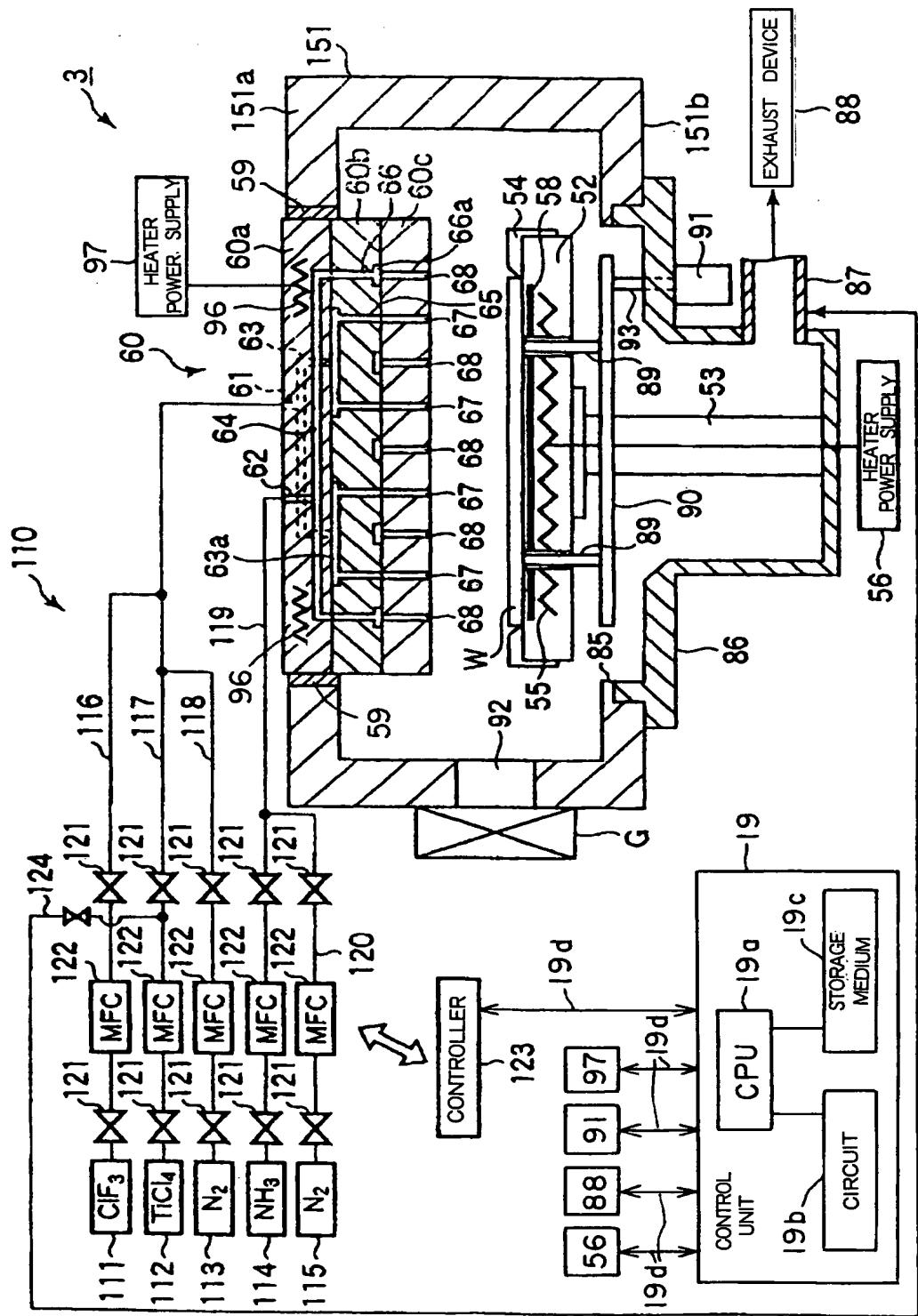
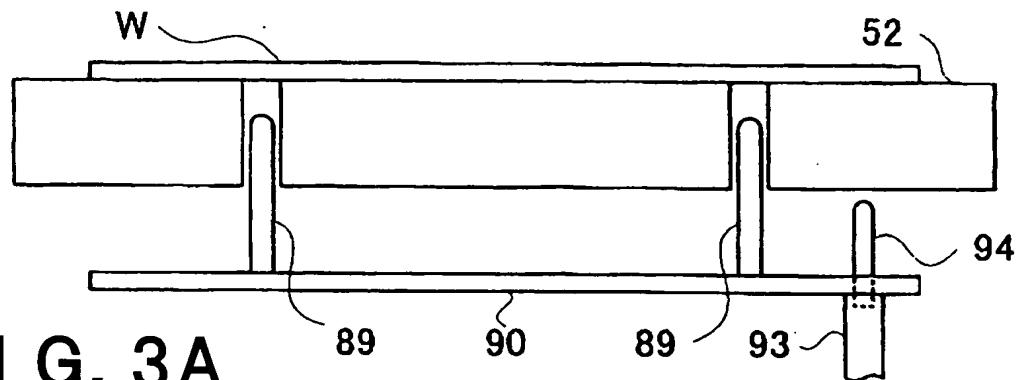
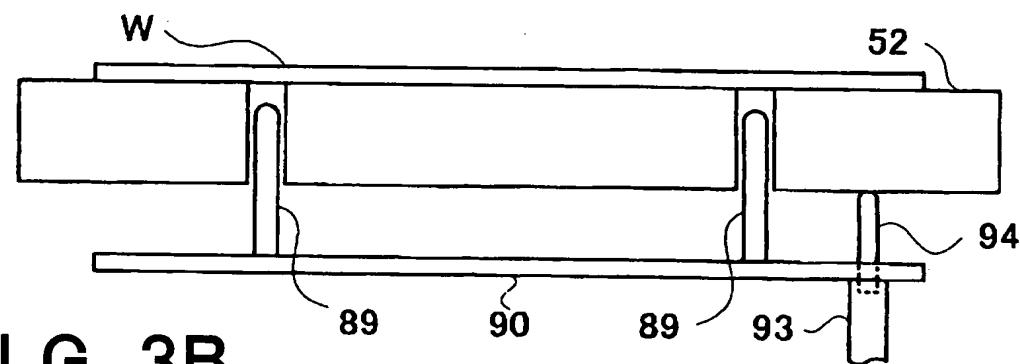


FIG. 2

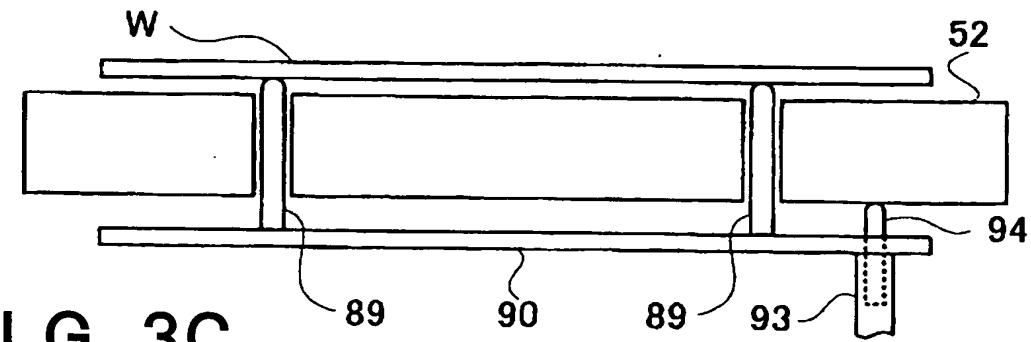
*3 / 7*



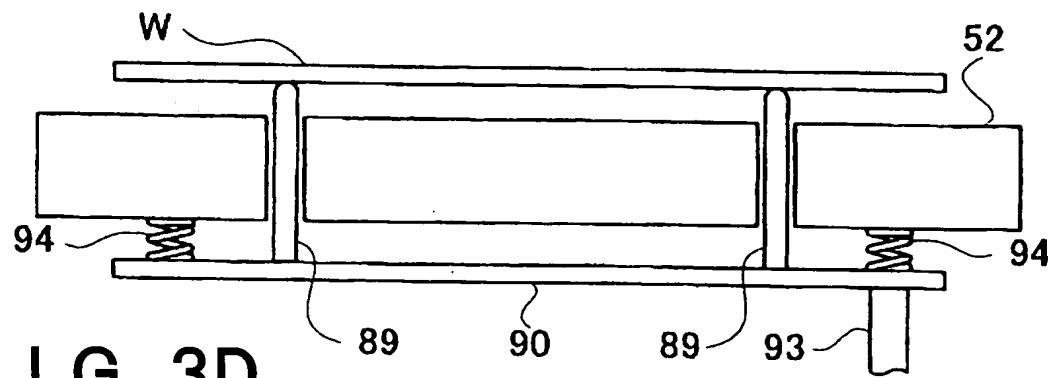
**F I G. 3A**



**F I G. 3B**



**F I G. 3C**



**F I G. 3D**

4 / 7

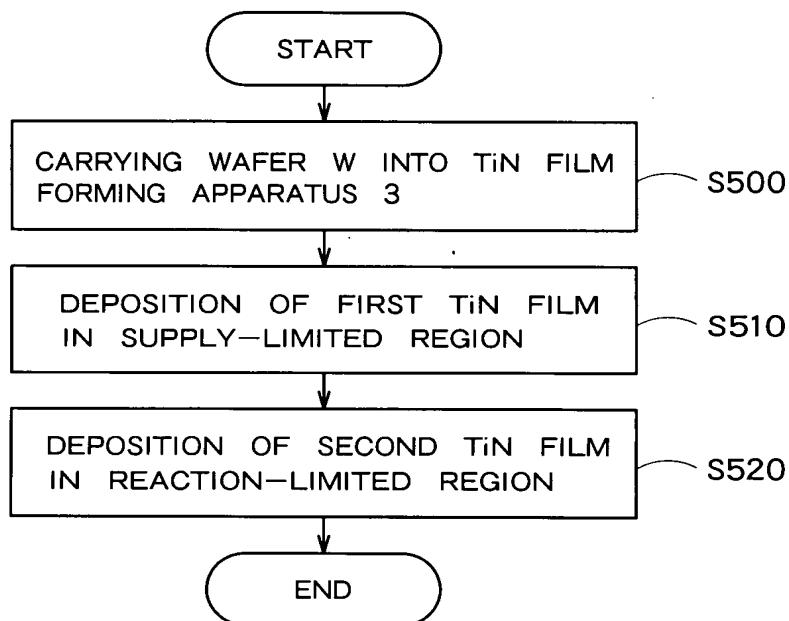


FIG. 4

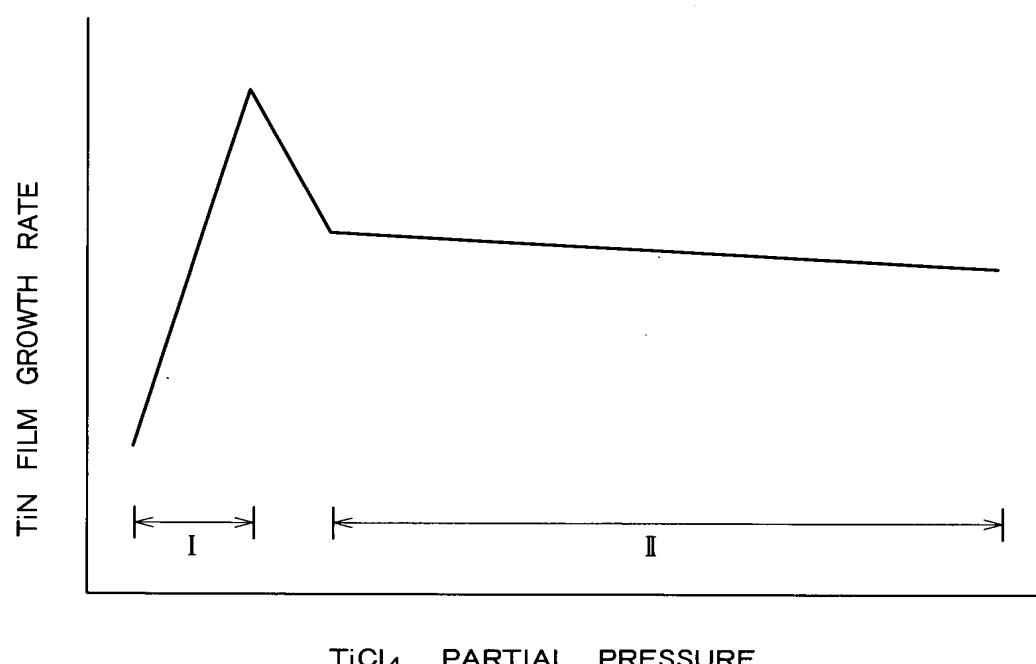


FIG. 5

*5 / 7*

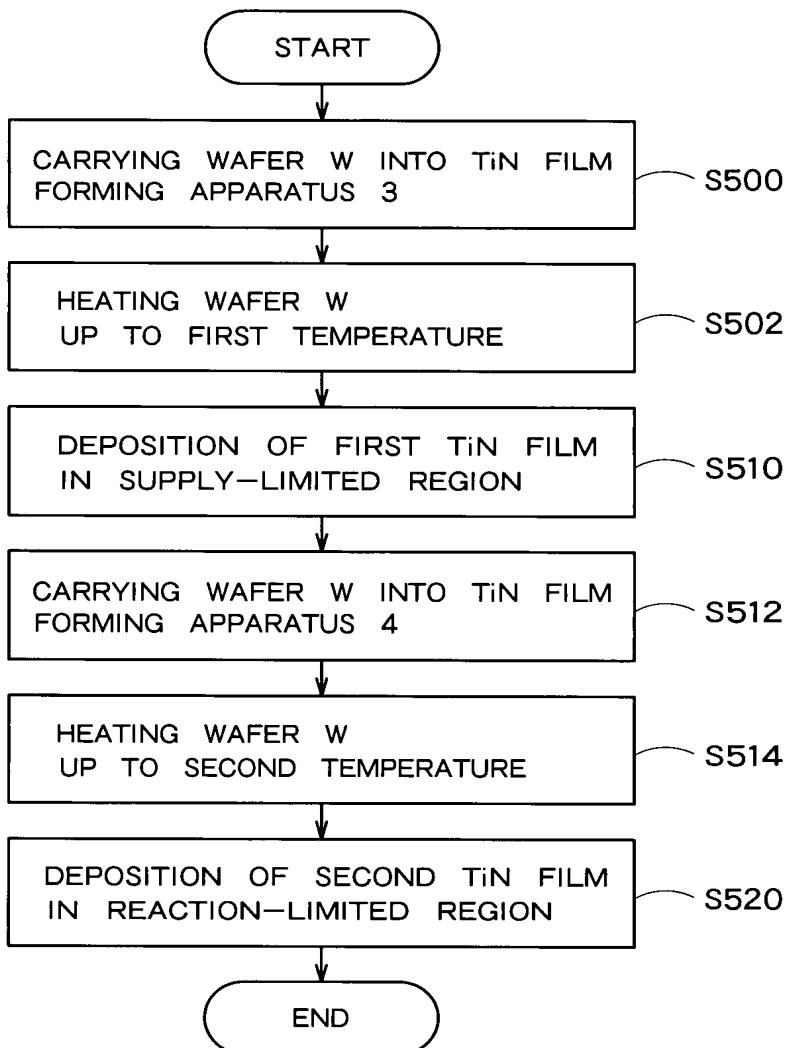
TOTAL PRESSURE (Torr)	TOTAL FLOW RATE (sccm)	NH <sub>3</sub> FLOW RATE (sccm)	TiCl <sub>4</sub> FLOW RATE (sccm)	PARTIAL PRESSURE RATIO
5	800	45	6.0 ~ 9.0	0.13 ~ 0.20
5	1100	60	8.0 ~ 12	0.13 ~ 0.20
5	1600	90	12 ~ 18	0.13 ~ 0.20

FIG. 6A

TOTAL PRESSURE (Torr)	TOTAL FLOW RATE (sccm)	NH <sub>3</sub> FLOW RATE (sccm)	TiCl <sub>4</sub> FLOW RATE (sccm)	PARTIAL PRESSURE RATIO
5	800	45	9.0 ~ 65	0.20 ~ 1.44
5	1100	60	12 ~ 90	0.20 ~ 1.50
5	1600	90	18 ~ 130	0.20 ~ 1.44

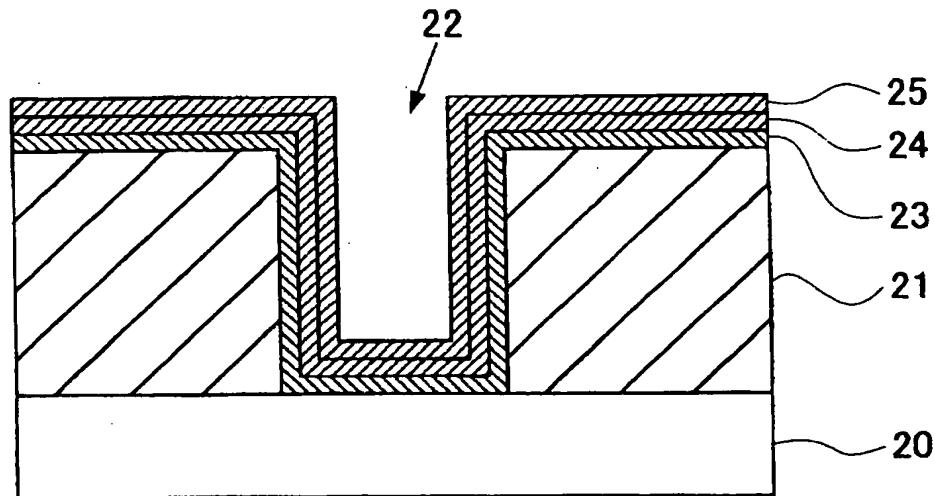
FIG. 6B

**6 / 7**

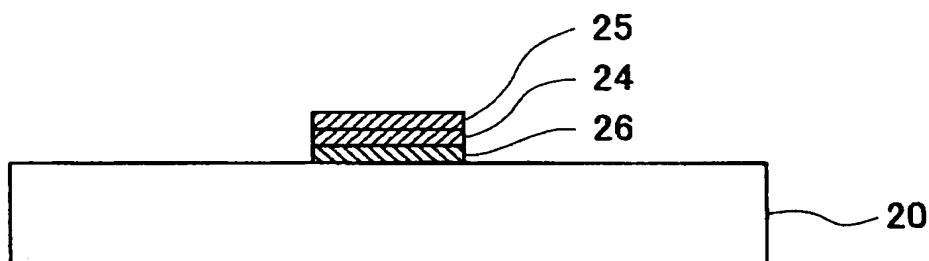


**F I G. 7**

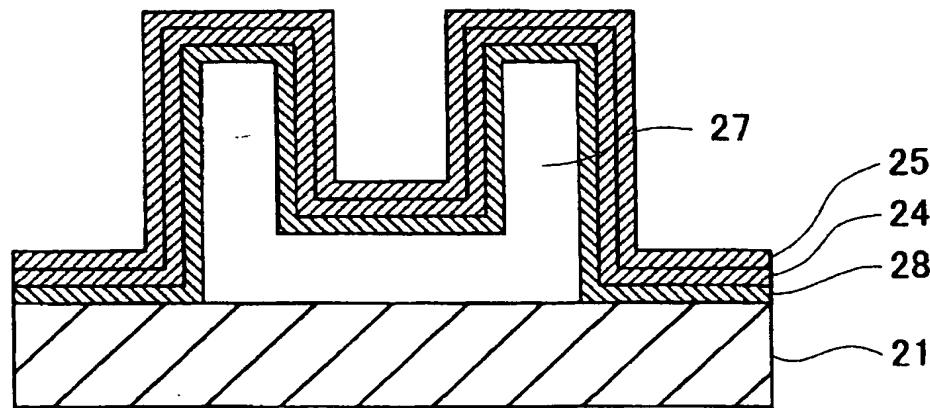
7 / 7



**F I G. 8A**



**F I G. 8B**



**F I G. 8C**